

**RESULT LIST**

Approximately 136 results found in the Worldwide database for:

**piezoelectric ferroelectric layer** in the title or abstract

(Results are sorted by date of upload in database)

- 1 Heterolayered ferroelectric thin films and methods of forming same**  
Inventor: WANG JOHN (SG); ZHOU ANTHONY Z (SG); Applicant:  
(+1)  
EC: IPC: B32B9/00  
Publication info: **US2005128675** - 2005-06-16
- 2 METHOD OF MANUFACTURING PIEZOELECTRIC DEVICE AND FERROELECTRIC DEVICE, DROPLET DISCHARGING HEAD, AND ELECTRONIC EQUIPMENT**  
Inventor: TAKAKUWA ATSUSHI; HIGUCHI AMAMITSU; Applicant: SEIKO EPSON CORP  
(+1)  
EC: IPC: H01L41/22; B41J2/16; (+6)  
Publication info: **JP2005135973** - 2005-05-26
- 3 Method of forming piezoelectric layer, heating apparatus used in the same, piezoelectric layer, and piezoelectric element**  
Inventor: YOKOUCHI TOSHIKI (JP); SUMI KOJI (JP) Applicant: SEIKO EPSON CORP (JP)  
EC: IPC: H01L41/04; B32B31/26  
Publication info: **US2005109456** - 2005-05-26
- 4 Electronic device and electronic apparatus**  
Inventor: IWASHITA SETSUYA (JP); HIGUCHI TAKAMITSU (JP); (+1) Applicant:  
EC: H03H9/02S2E IPC: H01G2/00  
Publication info: **US2005096230** - 2005-05-05
- 5 METHOD AND DEVICE FOR ADJUSTING RESONANCE FREQUENCY OF ULTRASONIC SENSOR**  
Inventor: KITADA KOSAKU; AKETO KOUSHI; (+3) Applicant: MATSUSHITA ELECTRIC WORKS LTD  
EC: IPC: H04R1/22; G01S7/521; (+6)  
Publication info: **JP2005051685** - 2005-02-24
- 6 Preparation method of high performance lead zirconium titanate thin film**  
Inventor: CHU JIARU (CN); LU JIAN (CN); (+1) Applicant: UNIV CHINA SCIENCE & TECH (CN)  
EC: IPC: C04B35/49; C04B35/491; (+2)  
Publication info: **CN1513809** - 2004-07-21
- 7 ACTUATOR DEVICE, LIQUID JETTING HEAD AND ITS PRODUCTION METHOD, AND LIQUID JETTING DEVICE**  
Inventor: MURAI MASAMI; MURAMOTO YOSHIYUKI; Applicant: SEIKO EPSON CORP  
(+1)  
EC: B41J2/14D2; B41J2/16D2; (+6) IPC: B41J2/045; B41J2/055; (+7)  
Publication info: **JP2005035282** - 2005-02-10
- 8 Ferroelectric thin film element and its manufacturing method, thin film capacitor and piezoelectric actuator using same**  
Inventor: KITA HIROYUKI (JP) Applicant:  
EC: H01L21/02B3B2; H01L41/09; (+1) IPC: H01L29/76  
Publication info: **US2005040454** - 2005-02-24
- 9 LIQUID INJECTION HEAD, ITS MANUFACTURING METHOD, AND LIQUID INJECTION APPARATUS**  
Inventor: MURAI MASAMI Applicant: SEIKO EPSON CORP  
EC: IPC: B41J2/045; B41J2/055; (+5)

**RESULT LIST**

Approximately 59 results found in the Worldwide database for:

**piezoelectric ferroelectric** in the title

(Results are sorted by date of upload in database)

- 1 Ferroelectric film, ferroelectric memory, and piezoelectric element**  
Inventor: KIJIMA TAKESHI (JP); MIYAZAWA HIROMU    Applicant: SEIKO EPSON CORP (JP)  
(JP); (+1)  
EC: C23C18/12    IPC: H01L29/76  
Publication info: **US2005167712** - 2005-08-04
- 2 FERROELECTRIC FILM, FERROELECTRIC CAPACITOR, FERROELECTRIC MEMORY, PIEZOELECTRIC DEVICE, SEMICONDUCTOR DEVICE, METHOD FOR MANUFACTURING FERROELECTRIC FILM, AND METHOD FOR MANUFACTURING FERROELECTRIC CAPACITOR**  
Inventor: KIJIMA TAKESHI (JP); HAMADA YASUAKI    Applicant: SEIKO EPSON CORP (JP)  
(JP); (+2)  
EC: C01G33/00D; C01G35/00D; (+9)    IPC: H01B3/12; C01G25/00; (+3)  
Publication info: **EP1555678** - 2005-07-20
- 3 METHOD OF FORMING ELECTRODE, PIEZOELECTRIC DEVICE, FERROELECTRIC DEVICE, AND ELECTRONIC EQUIPMENT**  
Inventor: TAKAKUWA ATSUSHI; HIGUCHI AMAMITSU;    Applicant: SEIKO EPSON CORP  
(+1)  
EC:    IPC: H01L21/288; H01L21/28; (+8)  
Publication info: **JP2005135975** - 2005-05-26
- 4 METHOD OF FORMING INSULATING FILM, PIEZOELECTRIC DEVICE, FERROELECTRIC DEVICE, AND ELECTRONIC EQUIPMENT**  
Inventor: TAKAKUWA ATSUSHI; HIGUCHI AMAMITSU;    Applicant: SEIKO EPSON CORP  
(+1)  
EC:    IPC: H01L21/316; H01L27/105; (+6)  
Publication info: **JP2005135974** - 2005-05-26
- 5 METHOD OF MANUFACTURING PIEZOELECTRIC DEVICE AND FERROELECTRIC DEVICE, DROPLET DISCHARGING HEAD, AND ELECTRONIC EQUIPMENT**  
Inventor: TAKAKUWA ATSUSHI; HIGUCHI AMAMITSU;    Applicant: SEIKO EPSON CORP  
(+1)  
EC:    IPC: H01L41/22; B41J2/16; (+6)  
Publication info: **JP2005135973** - 2005-05-26
- 6 Piezoelectric device, liquid jetting head, ferroelectric device, electronic device and methods for manufacturing these devices**  
Inventor: HIGUCHI TAKAMITSU (JP); IWASHITA    Applicant: SEIKO EPSON CORP  
SETSUYA (JP); (+5)  
EC:    IPC: H01L41/047  
Publication info: **US2005122005** - 2005-06-09
- 7 FERROELECTRIC FILM, FERROELECTRIC MEMORY, PIEZOELECTRIC ELEMENT, SEMICONDUCTOR ELEMENT, LIQUID EJECTION HEAD, PRINTER AND PROCESS FOR PRODUCING FERROELECTRIC FILM**  
Inventor: KIJIMA TAKESHI; HAMADA YASUAKI; (+1)    Applicant: SEIKO EPSON CORP  
EC:    IPC: H01L27/105; B05C5/00; (+8)  
Publication info: **JP2005101512** - 2005-04-14
- 8 FERROELECTRIC THIN FILM AND ITS PRODUCING PROCESS, FERROELECTRIC MEMORY, PIEZOELECTRIC ELEMENT**  
Inventor: KIJIMA TAKESHI; MIYAZAWA HIROSHI; (+2)    Applicant: SEIKO EPSON CORP  
EC: C23C30/00; H01L21/316D; (+1)    IPC: H01L27/105; B41J2/045; (+13)

[Search Summary]**Results of searching in PCT for:****piezoelectric near layer and ferroelectric near layer: 1 record***Showing record 1 to 1 of 1 :*

Refine Search

piezoelectric near layer and ferroelectric near layer

**Score Title**

1. (100) (WO 99/48083) INERTIAL/AUDIO UNIT AND CONSTRUCTION

**Search Summary****piezoelectric NEAR layer:** 408 occurrences in 211 records.**piezoelectric NEAR layer:** 408 occurrences in 211 records.**(piezoelectric NEAR layer AND piezoelectric NEAR layer):** 211 records.**ferroelectric NEAR layer:** 288 occurrences in 145 records.**((piezoelectric NEAR layer AND piezoelectric NEAR layer) AND ferroelectric NEAR layer):** 1 record.

Search Time: 0.95 seconds.





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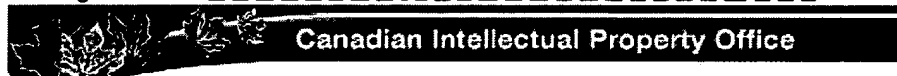
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((piezoelectric <near> layer <and> ferroelectric <near> layer))

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15 documents out of 1646145 matched your query. Click on its number to view the details of the document.

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2. [2217472](#) METHOD AND DEVICE FOR MAKING A THIN LAYER COMPOSITE UNIMORPH FERROELECTRIC DRIVER AND SENSOR 99%
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5. [2070946](#) CANTILEVER TYPE DISPLACEMENT ELEMENT, AND SCANNING TUNNELING MICROSCOPE OR INFORMATION PROCESSING APPARATUS USING SAME 97%
6. [2330323](#) ARRAYS MADE FROM FLEXIBLE TRANSDUCER ELEMENTS 79%
7. [2155523](#) MONOLITHIC PRESTRESSED CERAMIC DEVICES AND METHOD FOR MAKING SAME 79%
8. [2406684](#) ULTRASOUND TRANSDUCER ARRAY 76%



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SAME
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1	BRS	L1	0	"2362989".fref.	USPAT	2005/09/23 12:00	
2	BRS	L2	0	"2362989".frpn.	USPAT	2005/09/23 12:00	
3	BRS	L3	0	"2362989".frpn.	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/23 12:01	
4	BRS	L4	0	"2362989".fref.	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/23 12:01	
5	IS&R	L5	2813	(310/317,328,330,358). CCLS.	USPAT	2005/09/23 12:03	
6	BRS	L6	143	ferroelectric adj2 material\$1 adj2 including	USPAT	2005/09/23 12:10	
7	BRS	L7	9	"ferroelectric layer" same "piezoelectric layer"	USPAT	2005/09/23 12:13	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
8	BRS	L8	14	"ferroelectric layer" same "piezoelectric layer"	US- PGPUB ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/09/2 3 12:13	